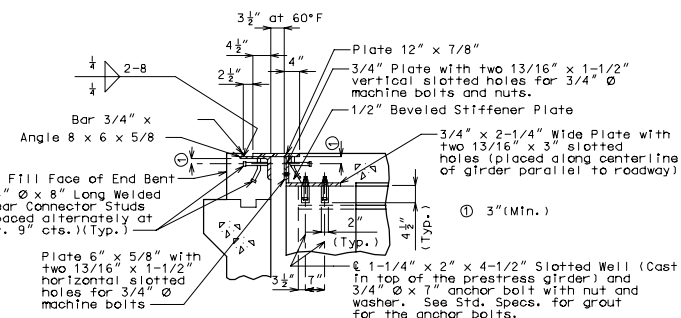
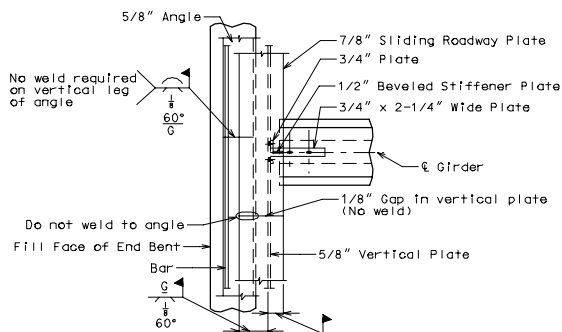


PART PLAN

Note: Concrete vent holes not shown for clarity.

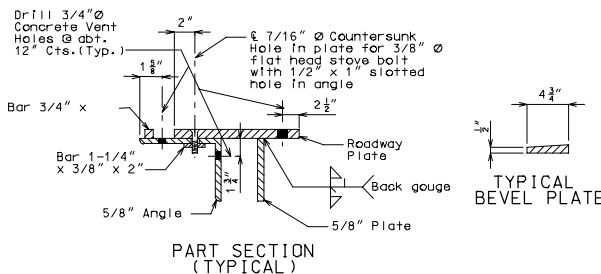


PART SECTION AT END BENT

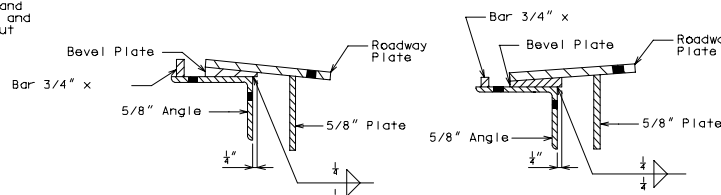


PERMISSIBLE FIELD SPICE AT END BENT

Note: This drawing is not to scale. Follow dimensions.

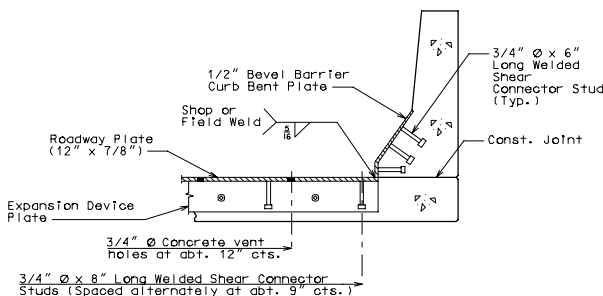


PART SECTION (TYPICAL)

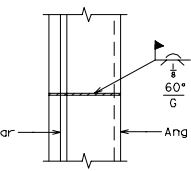


PART SECTION THRU BEVEL PLATE

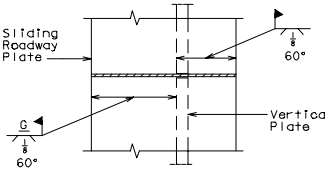
Note: Bevel plates shall be used at end bents when the grade of the slab at expansion device is 3% or more.



PART SECTION A-A



PART PLAN OF ANGLE AND BAR



PART PLAN ROADWAY PLATE AND VERTICAL PLATE

GENERAL NOTES:

Expansion device shall be fabricated in one section, except for stage construction and when the length is over 50 feet, splicing is permissible. The expansion device shall be bent to conform to crown of roadway.

Material for the expansion device shall be ASTM A709 Grade 36 structural steel. Anchors for the expansion device shall be approved stud-welded anchors (C1010 thru C1020).

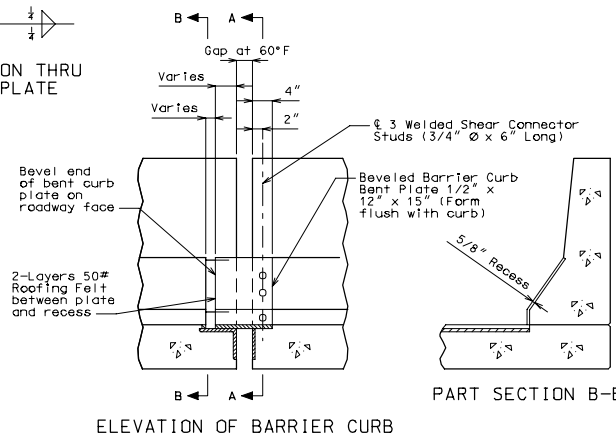
Structural steel for the expansion device and curb plate shall be coated with a minimum of two coats of inorganic zinc primer (5 ml is minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Use 2-layers of 50# roofing felt between the sliding contact surface of beveled barrier curb bent plate and concrete barrier curb.

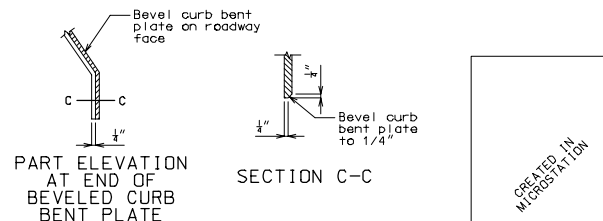
Plan dimensions are based on installation at 60°F. The expansion gap and other dimensions shall be increased for each 10° fall and decreased for each 10° rise in temperature at installation.

Furnishing, coating or galvanizing and installing the expansion device and barrier curb plates shall be included in the contract unit price for Flat Plate Expansion Device.

Concrete shall be forced under and around flat plate, studs and angles. Proper consolidation and finishing of the concrete shall be achieved by hand finishing within one foot of the expansion device. The vertical and horizontal concrete vent holes shall be offset from each other. Do not alternate holes at the 12" spacing.



ELEVATION OF BARRIER CURB



DETAILS OF FLAT PLATE EXPANSION DEVICE AT END BENT NO.